

From the INTERNATIONAL BUREAU

PCT

SECOND AND SUPPLEMENTARY NOTICE
INFORMING THE APPLICANT OF THE
COMMUNICATION OF THE INTERNATIONAL
APPLICATION (TO DESIGNATED OFFICES
WHICH APPLY THE 30 MONTH TIME
LIMIT UNDER ARTICLE 22(1))

(PCT Rule 47.1(c))

To:

HOSODA, Masutoshi
Akasaka Twin Tower Main Tower 11F
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Minato-ku, Tokyo 107-0052
JAPON



Date of mailing (day/month/year) 29 June 2006 (29.06.2006)		IMPORTANT NOTICE	
Applicant's or agent's file reference FADT0502PCT			
International application No. PCT/JP2005/002511	International filing date (day/month/year) 10 February 2005 (10.02.2005)	Priority date (day/month/year) 23 February 2004 (23.02.2004)	
Applicant ADVANTEST CORPORATION et al			

- ATTENTION:** For any designated Office(s), for which the time limit under Article 22(1), as in force from 1 April 2002 (30 months from the priority date), does not apply, please see Form PCT/IB/308(First Notice) issued previously.
- Notice is hereby given that the following designated Office(s), for which the time limit under Article 22(1), as in force from 1 April 2002, does apply, has/have requested that the communication of the international application, as provided for in Article 20, be effected under Rule 93bis.1. The International Bureau has effected that communication on the date indicated below:
01 September 2005 (01.09.2005)

AU, AZ, BY, CN, CO, DZ, EP, HU, KG, KP, KR, MD, MK, MZ, NA, PG, RU, SY, TM, US

In accordance with Rule 47.1(c-bis)(i), those Offices will accept the present notice as conclusive evidence that the communication of the international application has duly taken place on the date of mailing indicated above and no copy of the international application is required to be furnished by the applicant to the designated Office(s).

- The following designated Offices, for which the time limit under Article 22(1), as in force from 1 April 2002, does apply, have not requested, as at the time of mailing of the present notice, that the communication of the international application be effected under Rule 93bis.1:

AE, AG, AL, AM, AP, AT, BA, BB, BG, BR, BW, BZ, CA, CR, CU, CZ, DE, DK, DM, EA, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, ID, IL, IN, IS, JP, KE, KZ, LC, LK, LR, LS, LT, LV, MA, MG, MN, MW, MX, NI, NO, NZ, OA, OM, PH, PL, PT, RO, SC, SD, SG, SK, SL, SM, TJ, TN, TR, TT, UA, UZ, VC, VN, YU, ZA, ZW

In accordance with Rule 47.1(c-bis)(ii), those Offices accept the present notice as conclusive evidence that the Contracting State for which that Office acts as a designated Office does not require the furnishing, under Article 22, by the applicant of a copy of the international application.

- TIME LIMITS for entry into the national phase**

For the designated or elected Office(s) listed above, the applicable time limit for entering the national phase will, subject to what is said in the following paragraph, be 30 MONTHS from the priority date.

In practice, time limits other than the 30-month time limit will continue to apply, for various periods of time, in respect of certain of the designated or elected Office(s) listed above. For regular updates on the applicable time limits (30 or 31 months, or other time limit), Office by Office, refer to the *PCT Gazette*, the *PCT Newsletter* and the *PCT Applicant's Guide*, Volume II, National Chapters, all available from WIPO's Internet site, at <http://www.wipo.int/pct/en/index.html>.

It is the applicant's sole responsibility to monitor all these time limits.

The International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland

Authorized officer

Yoshiko Kuwahara

(19) 世界知的所有権機関
国際事務局(43) 国際公開日
2005年9月1日 (01.09.2005)

PCT

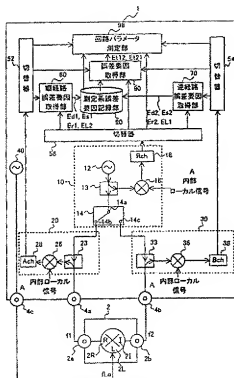
(10) 国際公開番号
WO 2005/080999 A1

- (51) 国際特許分類: G01R 27/28, 35/00 (72) 発明者: および
(21) 国際出願番号: PCT/JP2005/002511 (75) 発明者/出願人 (米国についてのみ): 中山 喜和
(22) 国際出願日: 2005年2月10日 (10.02.2005) (NAKAYAMA, Yoshikazu) [JP/JP]; 〒1790071 東京都
(25) 国際出願の言語: 日本語 練馬区旭町一丁目3番1号 株式会社アドバンテ
(26) 国際公開の言語: 日本語 スト内 Tokyo (JP). 田辺 武 (TANABE, Takeshi) [JP/JP];
(30) 優先権データ: 〒1790071 東京都練馬区旭町一丁目3番1号 株式
特願2004-046084 2004年2月23日 (23.02.2004) JP 会社アドバンテスト内 Tokyo (JP).
(71) 出願人 (米国を除く全ての指定国について): 株式会
社アドバンテス (ADVANTEST CORPORATION) (81) 指定国 (表示のない限り、全ての種類の国内保護が
[JP/JP]; 〒1790071 東京都練馬区旭町一丁目3番1号 Tokyo (JP). 可能): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR,
BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM,

/続乗有/

(54) Title: NETWORK ANALYZER, NETWORK ANALYZING METHOD, PROGRAM, AND RECORDING MEDIUM

(54) 発明の名称: ネットワークアナライザ、ネットワーク解析方法、プログラムおよび記録媒体



58 CIRCUIT PARAMETER MEASURING SECTION
60 ERROR FACTOR ACQUIRING SECTION
62 FORWARD PATH ERROR FACTOR ACQUIRING SECTION
64 MEASURING SYSTEM ERROR FACTOR RECORDING SECTION
70 REVERSE PATH ERROR FACTOR ACQUIRING SECTION
72 SWITCH
74 SWITCH
76 SWITCH
A INTERNAL LOCAL SIGNAL

(57) Abstract: The error of a measuring system can be corrected by acquiring the phase of transmission tracking. A network analyzer comprises a measuring system error factor recording section (80) and an error factor acquiring section (90). The measuring system error factor recording section (80) records the measuring system error factor caused irrespective of the frequency conversion by a (DUT) 2. A calibration mixer has terminals (2a, 2b). The signal outputted from the terminal (2a) is represented by the sum of the product of the signal inputted into the terminal (2a) by a first coefficient and the product of the signal inputted into the terminal (2b) by a second coefficient, and the ratio of the magnitude of the second coefficient is constant. The error factor acquiring section (90) measures the first and second coefficients and acquires the transmission tracking caused by the frequency conversion on the basis of the measuring system error factor recorded in the measuring system error factor recording section (80) and the first and second coefficients.

(57) 要約: 伝送トラッキングの位相が取得できるようにして、測定系の誤差を補正することができるようにする。DUTによる周波数変換とは無関係に生じる測定系誤差要因を記録する測定系誤差要因記録部80と、端子2aから出力される信号が、端子2aに入力される信号に第一係数を乗じたものおよび他の端子2bに入力される信号に第二係数を乗じたものの和として表され、第二係数の大きさの比が一定である校正用ミキサの第一係数および第二係数を測定し、測定系誤差要因記録部80に記録された測定系誤差要因と、第一係数および第二係数とに基づき、周波数変換によって生じる伝送トラッキングを取得する誤差要因取得部90とを備える。



DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

添付公開書類:

一 国際調査報告書

- (84) 指定国(表示のない限り、全ての種類の広域保護が可能): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), ユーラシア (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), ヨーロッパ (AT, BE,

2 文字コード及び他の略語については、定期発行される各PCTガゼットの巻頭に掲載されている「コードと略語のガイダンスノート」を参照。

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/002511

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl.⁷ G01R27/28, G01R35/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl.⁷ G01R27/00-28/32, 35/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Jitsuyo Shinan Toroku Koho	1996-2005
Kokai Jitsuyo Shinan Koho	1971-2005	Toroku Jitsuyo Shinan Koho	1994-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2003-294820 A (Agilent Technologies Inc.), 15 October, 2003 (15.10.03), Full text; Figs. 1 to 11 & WO 03/083907 A2	1-9
A	JP 11-352163 A (Hewlett-Packard Co.), 24 December, 1999 (24.12.99), Full text; Figs. 1 to 12 & US 6188968 B1 & GB 2337604 A & GB 9910407 A0 & DE 19902344 A	1-9

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search
17 May, 2005 (17.05.05)Date of mailing of the international search report
31 May, 2005 (31.05.05)Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

A. 発明の属する分野の分類 (国際特許分類 (IPC))

Int.Cl.⁷ G01R27/28, G01R35/00

B. 調査を行った分野

調査を行った最小限資料 (国際特許分類 (IPC))

Int.Cl.⁷ G01R27/00-28/32, 35/00

最小限資料以外の資料で調査を行った分野に含まれるもの

日本国実用新案公報	1922-1996年
日本国公開実用新案公報	1971-2005年
日本国実用新案登録公報	1996-2005年
日本国登録実用新案公報	1994-2005年

国際調査で使用した電子データベース (データベースの名称、調査に使用した用語)

C. 関連すると認められる文献

引用文献の カテゴリー*	引用文献名 及び一部の箇所が関連するときは、その関連する箇所の表示	関連する 請求の範囲の番号
A	J P 2003-294820 A (アジレント・テクノロジー株式会社) 2003. 10. 15 全文、図1-11 &WO 03/083907 A2	1-9
A	J P 11-352163 A (ヒューレット・パッカード・カンパニー) 1999. 12. 24 全文、図1-12 &US 6188968 B1 &GB 2337604 A &GB 9910407 A0 &DE 19902344 A	1-9

「C欄の続きにも文献が列挙されている。」

「パテントファミリーに関する別紙を参照。」

* 引用文献のカテゴリー

- 「A」特に関連のある文献ではなく、一般的技術水準を示すもの
- 「E」国際出願日前の出願または特許であるが、国際出願日以後に公表されたもの
- 「L」優先権主張に疑義を提起する文献又は他の文献の発行日若しくは他の特別な理由を確立するために引用する文献 (理由を付す)
- 「O」口頭による開示、使用、展示等に言及する文献
- 「P」国際出願日前で、かつ優先権の主張の基礎となる出願

- の日の後に公表された文献
- 「T」国際出願日又は優先日後に公表された文献であって出願と矛盾するものではなく、発明の原理又は理論の理解のために引用するもの
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- 「Y」特に関連のある文献であって、当該文献と他の1以上の文献との、当業者にとって自明である組合せによって進歩性がないと考えられるもの
- 「&」同一パテントファミリー文献

国際調査を完了した日

17. 05. 2005

国際調査報告の発送日

31. 5. 2005

国際調査機関の名称及びあて先

日本国特許庁 (ISA/J P)

郵便番号 100-8915

東京都千代田区霞が関三丁目4番3号

特許庁審査官 (権限のある職員)

中村 直行

電話番号 03-3581-1101 内線 3258

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